

Patent Claims

1. A compressed-gas-insulated switch-disconnector module having an electrically conductive housing (2) and having a main axis (3) along which in each case one first and one second electrical phase conductor (7, 8) which are connected at an isolating gap (12) extend, having the following features:

- the first phase conductor (7) passes through a first flange (4) on the switch-disconnector housing (2),
- the second phase conductor (8) passes through a second flange (5) of the switch-disconnector housing (2),
- a tubular electrode (9) is connected to the housing (2), concentrically surrounds the first phase conductor (7), is arranged radially on the inside of the first flange (4), and projects beyond it.

2. The compressed-gas-insulated switch-disconnector module as claimed in claim 1, characterized in that the second flange (5), which is arranged coaxially with respect to the first flange (4) at the opposite end of the housing (2), has a holding device, onto which a toroidal transformer (17) can be fitted, on its outside.

3. The compressed-gas-insulated switch-disconnector module as claimed in claim 1 or 2, characterized in that the second flange (5) is arranged at the end of a tubular connecting stub (6) which at least partially supports the transformer (17).

4. The compressed-gas-insulated switch-disconnector module as claimed in one of claims 1 to 3, characterized in that

1 the first and the second flange (4, 5) are annular, and the
2 first flange (4) has a larger circumference than the second
3 flange (5).

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5 5. The compressed-gas-insulated switch-disconnector module as
6 claimed in one of claims 1 to 4,
7 characterized
8 in that the electrode (9) is supported by the housing (2), and
9 in particular is cast onto it.

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11 6. The compressed-gas-insulated switch-disconnector module as
12 claimed in one of claims 1 to 4,
13 characterized
14 in that one of the phase conductors (7, 8) can be grounded by
15 means of a grounding switch (20) in the interior of the housing
16 (2).

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18 7. A bushing arrangement (1) having a switch disconnector
19 with an isolating gap (12), which is arranged insulated by
20 compressed gas within an electrically conductive housing (2),
21 and having an electrically insulating casing (10) which is
22 flange-connected to the housing (2) in the form of an outdoor
23 bushing, and having a first phase conductor (7), which passes
24 through the casing (10) and is connected at one of its ends to
25 a switching contact (13) of the isolating gap (12), with the
26 housing (2) and the casing (10) surrounding a common gas area.

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28 8. The bushing arrangement (1) as claimed in claim 7,
29 characterized
30 in that the first phase conductor (7) is supported on the
31 housing (2) by means of a pillar support (14).

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33 9. The bushing arrangement (1) as claimed in claim 8,

1 characterized
2 in that the first phase conductor (7) is supported via the
3 switching contact (13) of the switch disconnecter.
4

5 10. The bushing arrangement (1) as claimed in one of claims 7
6 to 10,

7 characterized
8 in that the gas area extends into a tubular connecting stub (6)
9 of the housing (2), around which a toroidal transformer (17) is
10 arranged.
11

12 11. The bushing arrangement (1) as claimed in one of claims 7
13 to 10,

14 characterized
15 in that an electrode (9) extends coaxially with respect to the
16 first phase conductor (7), and the electrode (9) shields the
17 connecting area between the insulating casing (10) and the
18 housing (2).